1. "What is an example from the lecture of a misuse of inheritance?"
   The lecture gives the example of "Stack" inheriting a "Vector", a stack may be implemented with a vector, but not every stack is a vector. Doing this gives the Stack object unintended functionality: having access to any element rather than having access just to the top one.

2. "What is an example from the lecture of a disadvantage of checked exceptions?"
   A checked exception in Java must be handled. The lecture shows that even when it is known that the exception will never be thrown, there still needs to be pointless code that handles it. It may happen for example if the implementation has changed but the API can't (because it is used by others).